BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 Subsidiary Diploma in Construction and the Built Environment Pearson BTEC International Level 3 Foundation Diploma in Construction and the Built Environment Pearson BTEC International Level 3 Diploma in Construction and the Built Environment Pearson BTEC International Level 3 Extended Diploma in Construction and the Built Environment Pearson BTEC International Level 3 Diploma in Civil Engineering Pearson BTEC International Level 3 Extended Diploma in Civil Engineering Pearson BTEC International Level 3 Diploma in Building Services Engineering Pearson BTEC International Level 3 Extended Diploma in Building Services Engineering
Unit number and title	**Unit 11: Management of a Construction Project**
Learning aim(s) (For NQF only)	**Learning A**: Understand the principles and application of management in construction
Assignment title	Investigation of the Roles and Responsibilities of the project management team and the management techniques.
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	You have been employed as an apprentice construction engineer in a local office of an international consultancy firm. The team you are working with provide clear project objectives and create an effective communication structure for the clients to ensure a co-ordinated approach to successful project delivery. As part of your training your mentor has asked you to appraise the roles and responsibilities required for a successful project management team. You must also examine the methods and techniques used to manage the principal resources of labour, plant and equipment and materials. He has also asked you to research the most suitable methods of monitoring the quality and progress of the work. Your mentor has also requested that you clarify the techniques applied by a site manager to manage the project such as: • Programme techniques • Quality assurance and quality control techniques • Compliance with statutory requirements • Management of workforce direct labour and sub-contractors *(It would be useful to consider the types of project used in*

	Unit 2 Construction Design as reference for the roles and responsibilities required) You will produce a report for your mentor as part of your on-going assessment in work to prove your competence.

Task 1	You have been asked to appraise the roles and responsibilities of the individual members of a project management team. Examine the techniques used to manage the principal resources and clarify the methods used to monitor quality and progress of a project. **To do this:** • Research the different roles and responsibilities of the individual project management team and relate these to the four stages of a construction project. (Pre-construction, site preparation, construction and handover) • Research the techniques used to manage the principal resources labour, plant and equipment and materials. • Research the methods used to monitor quality and progress of a construction project. **You then need to:** Produce an illustrated technical report that appraises the roles and responsibilities of the individual project management team, the techniques used to manage the principal resources and the methods used to monitor the quality and progress of a construction project. Your report should include: - Consideration of all the different roles and responsibilities of the project management team, the techniques used to manage the principal resources and the methods used to monitor the quality and progress of a construction project. You should consider the benefits and drawbacks of the techniques used by the different management roles and how they contribute to effective management of the project and the completion of the project on time to the correct specification.
Checklist of evidence required	Evidence must include: An illustrated technical report based on the different roles and responsibilities of the project management team, the techniques used to manage the principal resources and the methods used to monitor the quality and progress of a construction project. Your report should include evidence of individual research conducted by the learner for example, charts showing management structures and the interaction between team

	members, case studies of methods and techniques to manage resources and to monitor quality and progress. These will be fully annotated and referenced appropriately to support the narrative of the evidence.

Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
9/A.D1	Evaluate the different roles of the construction management team, their responsibilities and the techniques applied by a site manager to manage the project.
9/A.M2	Discuss the techniques applied by a site manager to manage the project.
9/A.M1	Discuss the roles of the members of the construction management team and how their individual responsibilities are applied.
9/A.P2	Explain the techniques applied by a site manager to manage the project.
9/A.P1	Explain the roles of the members of the construction management team and their individual responsibilities.

Sources of information to support you with this Assignment	**Textbooks** V. Hore, J.G. Kehoe, R. McMullan, M.R. Penton, 1997 "Construction 1 Management, Finance and Measurement". MACMILLAN PRESS LTD ISBN 0-333-64950-8 Brian Cooke & Peter Williams "Construction Planning, Programming and Control Third Edition" 2009 Published by Wiley- Blackwell ISBN 10: 1405183802 Dennis Lock "Project Management in Construction" 2004 Published by Gower Publishing Limited ISBN 0-566-08612-3 **Websites** http://managementstudyguide.com/organization-management.htm http://www.citb.co.uk/documents/research/csn%202016-2020/csn_national_2016.pdf https://www.cips.org/Documents/Knowledge/Procurement-Topics-and-Skills/4-Sustainability-CSR-Ethics/Sustainable-and-Ethical-Procurement/Ethical_Purchasing_Practices-Knowledge_How_To.pdf https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/210099/bis-13-955-construction-2025-industrial-strategy.pdf https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/578735/Public_land_for_housing_-_programme_handbook.pdf

	The Construction Industry knowledge base: https://www.designingbuildings.co.uk **Above are examples of websites. Further useful resources may be found at** qualifications.pearson.com/en/support/published-resources.html
Other assessment materials attached to this Assignment Brief	*N/A*